

| L Number | Hits | Search Text | DB | Time stamp |
|---------------------|-------------|--|--------------|-----------------------------|
| 1 | 100 | (((down adj conver\$5) same compensat\$4) same demodulat\$4) and (375/\$.ccls. or 370/\$.ccls. or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls.) | USPAT | 2004/01/12 10:41 |
| 2 | 28 | ((down adj conver\$5) same (imperfect\$4 or imbalanc\$3 or ideal)) and (((down adj conver\$5) same compensat\$4) same demodulat\$4) and (375/\$.ccls. or 370/\$.ccls. or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls.)) | USPAT | 2004/01/12 10:41 |
| 3 | 72 | (((down adj conver\$5) same compensat\$4) same demodulat\$4) and (375/\$.ccls. or 370/\$.ccls. or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls.)) not (((down adj conver\$5) same (imperfect\$4 or imbalanc\$3 or ideal)) and (((down adj conver\$5) same compensat\$4) same demodulat\$4) and (375/\$.ccls. or 370/\$.ccls. or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls.))) | USPAT | 2004/01/12 10:41 |
| 4 | 47 | ((((down adj conver\$5) same compensat\$4) same demodulat\$4) and (375/\$.ccls. or 370/\$.ccls. or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls.)) not (((down adj conver\$5) same (imperfect\$4 or imbalanc\$3 or ideal)) and (((down adj conver\$5) same compensat\$4) same demodulat\$4) and (375/\$.ccls. or 370/\$.ccls. or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls.)))) and (quadrature) | USPAT | 2004/01/12 10:48 |
| 5 | 16 | ((((down adj conver\$5) same compensat\$4) same demodulat\$4) and (375/\$.ccls. or 370/\$.ccls. or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls.)) not (((down adj conver\$5) same (imperfect\$4 or imbalanc\$3 or ideal)) and (((down adj conver\$5) same compensat\$4) same demodulat\$4) and (375/\$.ccls. or 370/\$.ccls. or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls.)))) and (quadrature)) and (satellite or repeater) | USPAT | 2004/01/12 10:55 |

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|---|------|--|-------|---------------------|
| 6 | 31 | ((((down adj conver\$5) same compensat\$4) same demodulat\$4) and (375/\$.ccls. or 370/\$.ccls. or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls.)) not (((down adj conver\$5) same (imperfect\$4 or imbalanc\$3 or ideal)) and (((down adj conver\$5) same compensat\$4) same demodulat\$4) and (375/\$.ccls. or 370/\$.ccls. or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls.)))) and (quadrature)) not ((((((down adj conver\$5) same compensat\$4) same demodulat\$4) and (375/\$.ccls. or 370/\$.ccls. or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls.)) not (((down adj conver\$5) same (imperfect\$4 or imbalanc\$3 or ideal)) and (((down adj conver\$5) same compensat\$4) same demodulat\$4) and (375/\$.ccls. or 370/\$.ccls. or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls.)))) and (quadrature)) and (satellite or repeater)) | USPAT | 2004/01/12 10:55 |
| - | 3993 | (375/219 or 375/222 or 375/261 or 375/285 or 375/296 or 375/298 or 375/341 or 375/346).ccls. | USPAT | 2003/01/06 10:15 |
| - | 1017 | (329/304 or 329/306 or 329/318 or 329/319 or 329/320 or 329/349 or 329/350 or 329/351 or 329/352 or 329/353).ccls. | USPAT | 2003/01/06 10:16 |
| - | 176 | (327/238 or 327/254 or 327/255).ccls. | USPAT | 2003/01/06 10:16 |
| - | 622 | (332/123 or 332/124 or 332/159 or 332/160 or 332/161 or 332/162).ccls. | USPAT | 2003/01/06 10:17 |
| - | 1517 | (455/24 or 455/284 or 455/295 or 455/296 or 455/304 or 455/305 or 455/306 or 455/326).ccls. | USPAT | 2003/01/06 10:18 |
| - | 6960 | ((375/219 or 375/222 or 375/261 or 375/285 or 375/296 or 375/298 or 375/341 or 375/346).ccls.) ((329/304 or 329/306 or 329/318 or 329/319 or 329/320 or 329/349 or 329/350 or 329/351 or 329/352 or 329/353).ccls.) ((327/238 or 327/254 or 327/255).ccls.) ((332/123 or 332/124 or 332/159 or 332/160 or 332/161 or 332/162).ccls.) ((455/24 or 455/284 or 455/295 or 455/296 or 455/304 or 455/305 or 455/306 or 455/326).ccls.) | USPAT | 2004/01/09 16:12 |
| - | 9841 | (I or Q or quadrature or inphase or in-phase) same (balanc\$3 compensat\$4 or reduc\$4 or eliminat\$4) same (imperfection or noise or interference or distortion) | USPAT | 2003/01/06 13:29 |
| - | 0 | ((I or Q or quadrature or inphase or in-phase) same (balanc\$3 compensat\$4 or reduc\$4 or eliminat\$4) same (imperfection or noise or interference or distortion)) and (self adj interference adj remo\$4) | USPAT | 2003/01/06 10:34 |

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|---|-----|---|-------|---------------------|
| - | 597 | ((375/219 or 375/222 or 375/261 or 375/285 or 375/296 or 375/298 or 375/341 or 375/346).ccls.) ((329/304 or 329/306 or 329/318 or 329/319 or 329/320 or 329/349 or 329/350 or 329/351 or 329/352 or 329/353).ccls.) ((327/238 or 327/254 or 327/255).ccls.) ((332/123 or 332/124 or 332/159 or 332/160 or 332/161 or 332/162).ccls.) ((455/24 or 455/284 or 455/295 or 455/296 or 455/304 or 455/305 or 455/306 or 455/326).ccls.)) and ((I or Q or quadrature or inphase or in-phase) same (balanc\$3 compensat\$4 or reduc\$4 or eliminat\$4) same (imperfection or noise or interference or distortion)) | USPAT | 2003/01/06 10:34 |
| - | 129 | ((375/219 or 375/222 or 375/261 or 375/285 or 375/296 or 375/298 or 375/341 or 375/346).ccls.) ((329/304 or 329/306 or 329/318 or 329/319 or 329/320 or 329/349 or 329/350 or 329/351 or 329/352 or 329/353).ccls.) ((327/238 or 327/254 or 327/255).ccls.) ((332/123 or 332/124 or 332/159 or 332/160 or 332/161 or 332/162).ccls.) ((455/24 or 455/284 or 455/295 or 455/296 or 455/304 or 455/305 or 455/306 or 455/326).ccls.)) and ((I or Q or quadrature or inphase or in-phase) same (balanc\$3 compensat\$4 or reduc\$4 or eliminat\$4) same (imperfection or noise or interference or distortion))) and ((up or down) adj conver\$4) | USPAT | 2003/01/06 11:41 |
| - | 1 | 6421376.pn. | USPAT | 2003/01/06 11:40 |
| - | 6 | ("5530724" "5631958" "5784455" "5838786" "6094422" "6134224").PN. | USPAT | 2004/01/09 11:13 |
| - | 143 | (imperfect\$4 or imbalanc\$4) near5 (quadrature) | USPAT | 2003/01/06 11:40 |
| - | 39 | ((375/219 or 375/222 or 375/261 or 375/285 or 375/296 or 375/298 or 375/341 or 375/346).ccls.) ((329/304 or 329/306 or 329/318 or 329/319 or 329/320 or 329/349 or 329/350 or 329/351 or 329/352 or 329/353).ccls.) ((327/238 or 327/254 or 327/255).ccls.) ((332/123 or 332/124 or 332/159 or 332/160 or 332/161 or 332/162).ccls.) ((455/24 or 455/284 or 455/295 or 455/296 or 455/304 or 455/305 or 455/306 or 455/326).ccls.)) and ((imperfect\$4 or imbalanc\$4) near5 (quadrature)) | USPAT | 2003/01/06 11:40 |

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|---|-----|---|-------|---------------------|
| - | 15 | (((375/219 or 375/222 or 375/261 or 375/285 or 375/296 or 375/298 or 375/341 or 375/346).ccls.) ((329/304 or 329/306 or 329/318 or 329/319 or 329/320 or 329/349 or 329/350 or 329/351 or 329/352 or 329/353).ccls.) ((327/238 or 327/254 or 327/255).ccls.) ((332/123 or 332/124 or 332/159 or 332/160 or 332/161 or 332/162).ccls.) ((455/24 or 455/284 or 455/295 or 455/296 or 455/304 or 455/305 or 455/306 or 455/326).ccls.)) and ((imperfect\$4 or imbalanc\$4) near5 (quadrature))) and ((up or down) adj conver\$4) | USPAT | 2003/01/06 13:25 |
| - | 738 | ((up or down) adj conver\$4) near6 (distortion or interference or imperfection or imbalanc\$3 or noise) | USPAT | 2003/01/06 13:29 |
| - | 200 | (((up or down) adj conver\$4) near6 (distortion or interference or imperfection or imbalanc\$3 or noise)) same (balanc\$3 or compensat\$4 or reduc\$4 or eliminat\$4 or cancel\$5) | USPAT | 2003/01/06 13:31 |
| - | 25 | (((375/219 or 375/222 or 375/261 or 375/285 or 375/296 or 375/298 or 375/341 or 375/346).ccls.) ((329/304 or 329/306 or 329/318 or 329/319 or 329/320 or 329/349 or 329/350 or 329/351 or 329/352 or 329/353).ccls.) ((327/238 or 327/254 or 327/255).ccls.) ((332/123 or 332/124 or 332/159 or 332/160 or 332/161 or 332/162).ccls.) ((455/24 or 455/284 or 455/295 or 455/296 or 455/304 or 455/305 or 455/306 or 455/326).ccls.)) and (((up or down) adj conver\$4) near6 (distortion or interference or imperfection or imbalanc\$3 or noise)) same (balanc\$3 or compensat\$4 or reduc\$4 or eliminat\$4 or cancel\$5)) | USPAT | 2003/01/06 13:31 |
| - | 15 | ("5022047" "5144641" "5235615" "5309474" "5357541" "5359625" "5363401" "5375140" "5414728" "5467367" "5548613" "5596601" "5712869" "5754533" "5757853").PN. | USPAT | 2003/01/06 13:41 |
| - | 5 | (dac near1 ha).xa. and (quadrature same (imbalanc\$3 or imperfect\$4)) | USPAT | 2004/01/08 19:36 |
| - | 4 | ("5596439" "5280573" "5625640" "5860057").pn. | USPAT | 2004/01/09 14:40 |
| - | 5 | 5596439.URPN. | USPAT | 2004/01/09 14:40 |
| - | 10 | 5625640.URPN. | USPAT | 2004/01/09 14:40 |
| - | 1 | 5860057.URPN. | USPAT | 2004/01/09 14:40 |
| - | 16 | 5596439.URPN. 5625640.URPN. 5860057.URPN. | USPAT | 2004/01/09 14:40 |

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|---|------|--|-------|---------------------|
| - | 6 | ("3596002" "3963990" "5235612" "5428600" "5444864" "5625640").PN. | USPAT | 2004/01/09 15:02 |
| - | 10 | ("3605018" "4532635" "4567485" "4630283" "4688216" "4979170" "5261118" "5404375" "5410750" "5414431").PN. | USPAT | 2004/01/09 15:06 |
| - | 32 | 5410750.URPN. | USPAT | 2004/01/09 15:16 |
| - | 7564 | ((375/219 or 375/222 or 375/261 or 375/285 or 375/296 or 375/298 or 375/341 or 375/346).ccls.) ((329/304 or 329/306 or 329/318 or 329/319 or 329/320 or 329/349 or 329/350 or 329/351 or 329/352 or 329/353).ccls.) ((327/238 or 327/254 or 327/255).ccls.) ((332/123 or 332/124 or 332/159 or 332/160 or 332/161 or 332/162).ccls.) ((455/24 or 455/284 or 455/295 or 455/296 or 455/304 or 455/305 or 455/306 or 455/326).ccls.) | USPAT | 2004/01/09 16:12 |
| - | 156 | (down adj conver\$5) same (imperfect\$4 or imbalanc\$3 or ideal) | USPAT | 2004/01/09 16:52 |
| - | 27 | ((375/219 or 375/222 or 375/261 or 375/285 or 375/296 or 375/298 or 375/341 or 375/346).ccls.) ((329/304 or 329/306 or 329/318 or 329/319 or 329/320 or 329/349 or 329/350 or 329/351 or 329/352 or 329/353).ccls.) ((327/238 or 327/254 or 327/255).ccls.) ((332/123 or 332/124 or 332/159 or 332/160 or 332/161 or 332/162).ccls.) ((455/24 or 455/284 or 455/295 or 455/296 or 455/304 or 455/305 or 455/306 or 455/326).ccls.)) and ((down adj conver\$5) same (imperfect\$4 or imbalanc\$3 or ideal)) | USPAT | 2004/01/09 16:14 |
| - | 5 | 5596439.URPN. | USPAT | 2004/01/09 16:20 |
| - | 9 | ("4644108" "4897831" "5596439" "5609155" "5664011" "5668871" "5734678" "6049548" "6185195").PN. | USPAT | 2004/01/09 16:21 |
| - | 10 | ("4525676" "4757272" "4780887" "4894845" "5184243" "5333000" "5515196" "5596606" "5625640" "5739866").PN. | USPAT | 2004/01/09 16:24 |
| - | 29 | ("3419682" "3750179" "3993867" "4086534" "4140972" "4146838" "4178550" "4320498" "4385378" "4393494" "4470138" "4516236" "4535445" "4593399" "4701935" "4712235" "4896371" "4952193" "4995104" "5131032" "5193112" "5307405" "5315585" "5436887" "5444864" "5450456" "5475731" "5596439" "5691978").PN. | USPAT | 2004/01/09 16:24 |

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|---|-----|--|-------|---------------------|
| - | 3 | 5894500.URPN. | USPAT | 2004/01/09 16:47 |
| - | 11 | 5414431.URPN. | USPAT | 2004/01/09 16:47 |
| - | 4 | 6151373.URPN. | USPAT | 2004/01/09 16:49 |
| - | 0 | 6330290.URPN. | USPAT | 2004/01/09 16:50 |
| - | 27 | 5131032.URPN. | USPAT | 2004/01/09 16:51 |
| - | 472 | (down adj conver\$5) same compensat\$4 | USPAT | 2004/01/09 16:53 |
| - | 111 | ((down adj conver\$5) same compensat\$4) same demodulat\$4 | USPAT | 2004/01/09 16:54 |
| - | 100 | ((down adj conver\$5) same compensat\$4) same demodulat\$4) and (375/\$.ccls. or 370/\$.ccls. or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls.) | USPAT | 2004/01/12 10:40 |
| - | 28 | ((down adj conver\$5) same (imperfect\$4 or imbalanc\$3 or ideal)) and (((down adj conver\$5) same compensat\$4) same demodulat\$4) and (375/\$.ccls. or 370/\$.ccls. or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls.)) | USPAT | 2004/01/12 10:40 |
| - | 28 | ((down adj conver\$5) same (imperfect\$4 or imbalanc\$3 or ideal)) and (((down adj conver\$5) same compensat\$4) same demodulat\$4) and (375/\$.ccls. or 370/\$.ccls. or 455/\$.ccls. or 327/\$.ccls. or 379/\$.ccls.))) not 5131032.URPN. | USPAT | 2004/01/09 16:55 |